



ROY COOPER
Governor
MICHAEL S. REGAN
Secretary

MEMORANDUM

TO: HOUSE AND SENATE MEMBERS WITH COAL ASH PONDS IN THEIR DISTRICTS

FROM: Anderson Miller
Director of Legislative Affairs

SUBJECT: Coal Combustion Residuals Surface Impoundment in
Member's Districts

DATE: April 30, 2018

Pursuant to GS 130A-309.204(b), "on or before October 1 of each year, the Department shall report to each member of the General Assembly who has a coal combustion residuals surface impoundment in the member's district. This report shall include the location of each impoundment in the member's district, the amount of coal combustion residuals known or believed to be located in the impoundment, the last action taken at the impoundment, and the date of that last action." Comments concerning the 2017 annual report are as follows:

- All volumes were provided by Duke Energy as of April 26, 2018
- Coal Ash Ponds are sorted by NC House District and NC Senate District
- The table "Summary of Last Action Taken" covers many programs and lists multiple actions in summary fashion

The attached report satisfies this reporting requirement.

If you have any questions or need additional information, please contact me by phone at (919) 707-8618 or via e-mail anderson.miller@ncdenr.gov

cc: Sheila Holman, Assistant Secretary for Environment, NCDEQ
Linda Culpepper, Director of Water Resources, NCDEQ



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Annual Coal Ash Report to the General Assembly

Division of Water Resources



**NORTH CAROLINA
DEPARTMENT OF ENVIRONMENTAL QUALITY**

This report is submitted to meet the requirements of GS 130A-309.204(b) which requires annual reporting on coal combustion residuals surface impoundments in North Carolina.

Coal Ash Ponds by NC House Districts				
NC House District	Facility	Ash Pond Name	Status*	April 2018 ash inventory as per Duke (tons)**
2	Mayo Power Station	Mayo Ash Pond	Active	6,640,000
2	Roxboro Power Station	Roxboro West Ash Pond	Active	12,640,000
2	Roxboro Power Station	Roxboro East Ash Pond (incl ash stack)	Inactive	6,990,000
4	Lee Power Station	H.F. Lee Active Ash Pond	Inactive	4,520,000
4	Lee Power Station	H.F. Lee Ash Polishing Pond	Inactive	10,000
10	Lee Power Station	H.F. Lee Ash Pond 1 (Inactive)	Inactive	270,000
10	Lee Power Station	H.F. Lee Ash Pond 2 (Inactive)	Inactive	530,000
10	Lee Power Station	H.F. Lee Ash Pond 3 (Inactive)	Inactive	910,000
18	Sutton Power Station	Sutton 1971 Ash Pond	Inactive	1,950,000
18	Sutton Power Station	Sutton 1984 Ash Pond	Inactive	1,110,000
46	Weatherspoon Power Station	Weatherspoon 1979 Ash Pond	Inactive	2,320,000
54	Cape Fear Power Station	Cape Fear 1956 Ash Pond (Inactive)	Inactive	420,000
54	Cape Fear Power Station	Cape Fear 1963 Ash Pond (Inactive)	Inactive	860,000
54	Cape Fear Power Station	Cape Fear 1970 Ash Pond (Inactive)	Inactive	840,000
54	Cape Fear Power Station	Cape Fear 1978 Ash Pond	Inactive	830,000
54	Cape Fear Power Station	Cape Fear 1985 Ash Pond	Inactive	2,820,000
65	Dan River Power Station	Dan River Active Primary Ash Basin	Inactive	750,000
65	Dan River Power Station	Dan River Active Secondary Ash Basin	Inactive	390,000
76	Buck Power Station	Buck Steam Station Basin 1	Inactive	3,550 ,000
76	Buck Power Station	Buck Steam Station Basin 2	Inactive	2,000,000
76	Buck Power Station	Buck Steam Station Basin 3	Inactive	860,000
89	Marshall Steam Station	Marshall Active Ash Basin	Active	16,850,000
91	Belews Creek Steam Station	Belews Creek Active Ash Basin	Active	11,970,000
108	Riverbend Power Station	Riverbend Primary & Secondary Basins	Inactive	180,000
109	Allen Power Station	Allen Active Ash Basin	Active	10,480,000
109	Allen Power Station	Allen Retired Ash Basin	Inactive	6,150,000
111	Cliffside Power Station	Cliffside Active Ash Basin	Active	5,040,000
111	Cliffside Power Station	Cliffside Inactive Ash Basin 1-4	Inactive	0
112	Cliffside Power Station	Cliffside Inactive Ash Basin #5	Inactive	2,350,00
116	Asheville	Asheville 1982 Ash Pond	Inactive	0
116	Asheville	Asheville 1964 Ash Pond	Active	2,340,000

* = Active: receiving either sluiced fly ash or bottom ash, Inactive: NOT receiving sluiced fly ash or bottom ash

**= Quantities subject to change based on continuing ash production and ash excavation, as applicable. In addition, detailed in-situ field data acquisition and analysis in support of ash basin closure planning may yield revised ash quantities.

Coal Ash Ponds by NC Senate Districts				
NC Senate District	Facility	Ash Pond Name	Status*	April 2018 ash inventory as per Duke (tons)**
7	Lee Power Station	H.F. Lee Ash Pond 1 (Inactive)	Inactive	270,000
7	Lee Power Station	H.F. Lee Ash Pond 2 (Inactive)	Inactive	530,000
7	Lee Power Station	H.F. Lee Ash Pond 3 (Inactive)	Inactive	910,000
7	Lee Power Station	H.F. Lee Active Ash Pond	Inactive	4,520,000
7	Lee Power Station	H.F. Lee Ash Polishing Pond	Inactive	10,000
9	Sutton Power Station	Sutton 1971 Ash Pond	Inactive	1,950,000
9	Sutton Power Station	Sutton 1984 Ash Pond	Inactive	1,110,000
13	Weatherspoon Power Station	Weatherspoon 1979 Ash Pond	Inactive	2,320,000
22	Mayo Power Station	Mayo Ash Pond	Active	6,640,000
22	Roxboro Power Station	Roxboro West Ash Pond	Active	12,640,00
22	Roxboro Power Station	Roxboro East Ash Pond	Inactive	6,990,000
23	Cape Fear Power Station	Cape Fear 1956 Ash Pond (Inactive)	Inactive	420,000
23	Cape Fear Power Station	Cape Fear 1963 Ash Pond (Inactive)	Inactive	860,000
23	Cape Fear Power Station	Cape Fear 1970 Ash Pond (Inactive)	Inactive	840,000
23	Cape Fear Power Station	Cape Fear 1978 Ash Pond	Inactive	830,000
23	Cape Fear Power Station	Cape Fear 1985 Ash Pond	Inactive	2,820,000
26	Dan River Power Station	Dan River Active Primary Ash Basin	Inactive	750,000
26	Dan River Power Station	Dan River Active Secondary Ash Basin	Inactive	390,000
30	Belews Creek Steam Station	Belews Creek Active Ash Basin	Active	11,970,000
34	Buck Power Station	Buck Steam Station Basin 1	Inactive	3,550 ,000
34	Buck Power Station	Buck Steam Station Basin 2	Inactive	2,000,000
34	Buck Power Station	Buck Steam Station Basin 3	Inactive	860,000
42	Marshall Steam Station	Marshall Active Ash Basin	Active	16,850,000
43	Allen Power Station	Allen Active Ash Basin	Active	10,480,00
43	Allen Power Station	Allen Retired Ash Basin	Inactive	6,150,000
44	Riverbend Power Station	Riverbend Primary & Secondary Basins	Inactive	180,000
46	Cliffside Power Station	Cliffside Active Ash Basin	Active	5,040,000
46	Cliffside Power Station	Cliffside Inactive Ash Basin 1-4	Inactive	0
47	Cliffside Power Station	Cliffside Inactive Ash Basin #5	Inactive	2,350,000
48	Asheville	Asheville 1982 Ash Pond	Inactive	0
48	Asheville	Asheville 1964 Ash Pond	Active	2,340,000

* = Active: receiving either sluiced fly ash or bottom ash, Inactive: NOT receiving sluiced fly ash or bottom ash

**= Quantities subject to change based on continuing ash production and ash excavation, as applicable. In addition, detailed in-situ field data acquisition and analysis in support of ash basin closure planning may yield revised ash quantities.

Summary of Last Action Taken		
Ash Pond Name	Last action taken	Date of last action
Allen Active Ash Basin	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Allen Retired Ash Basin	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Asheville 1982 Ash Pond	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; basin excavated; dam decommissioning complete.	In progress
Asheville 1964 Ash Pond	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; basin under excavation; slope improvement of separator dike complete.	In progress
Belews Creek Active Ash Basin	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; groundwater extraction well system operating.	In progress
Buck Steam Station Basin 1	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Buck Steam Station Basin 2	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Buck Steam Station Basin 3	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; modification of existing dam spillway and extending discharge outlet.	In progress
Cape Fear 1956 Ash Pond (Inactive)	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Cape Fear 1963 Ash Pond (Inactive)	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Cape Fear 1970 Ash Pond (Inactive)	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Cape Fear 1978 Ash Pond	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; dewatering basin.	In progress
Cape Fear 1985 Ash Pond	Continued site assessment activities; installation of alternate water supplies draft modification to NPDES permit; dewatering basin.	In progress

Cliffside Active Ash Basin	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Cliffside Inactive Ash Basin #5	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Cliffside Inactive Ash Basin 1-4	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; basins excavated; dam modification; proposed construction of a wastewater storage basin within the dam.	In progress
Dan River Active Primary Ash Basin	Continued site assessment activities; installation of alternate water supplies; permit issued October 2016; basin under excavation; dam decommissioning (sequence A).	In progress
Dan River Active Secondary Ash Basin	Continued site assessment activities; installation of alternate water supplies; permit issued October 2016.	In progress
H.F. Lee Ash Pond 1 (Inactive)	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; slope repair complete.	In progress
H.F. Lee Ash Pond 2 (Inactive)	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; slope repair complete.	In progress
H.F. Lee Ash Pond 3 (Inactive)	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; slope repair complete.	In progress
H.F. Lee Active Ash Pond	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; decanting basin; slope repair in progress.	In progress
H.F. Lee Ash Polishing Pond	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; decanting basin.	In progress
Marshall Active Ash Basin	Continued site assessment activities; installation of alternate water supplies, NPDES permit issued April 2, 2018.	In progress
Mayo Ash Pond	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Riverbend Active Ash Basin 1	Continued site assessment activities; alternate water supplies not required; NPDES permit issued November 18, 2016; basin under excavation; dam modification and decommissioning.	In progress
Riverbend Active Ash Basin 2	Continued site assessment activities; alternate water supplies not required; NPDES permit issued November 18, 2016; basin under excavation; dam decommissioning.	In progress

Roxboro West Ash Pond	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; dam slope modification.	In progress
Roxboro East Ash Pond	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit.	In progress
Sutton 1971 Ash Pond	Continued site assessment activities; installation of alternate water supplies; NPDES permit issued September 30, 2017; basin under excavation; groundwater extraction well system installation; dam decommissioning.	In progress
Sutton 1984 Ash Pond	Continued site assessment activities; installation of alternate water supplies; NPDES permit issued September 30, 2017; basin under excavation; groundwater extraction well system installation; dam decommissioning.	In progress
Weatherspoon 1979 Ash Pond	Continued site assessment activities; installation of alternate water supplies; draft modification to NPDES permit; under excavation for beneficial reuse.	In progress